

3

# ROUTLEDGE HANDBOOK OF ENVIRONMENTAL ANTHROPOLOGY

*Edited by Helen Kopnina and  
Eleanor Shoreman-Ouimet*

 **Routledge**  
Taylor & Francis Group  
LONDON AND NEW YORK

**earthscan**  
from Routledge

# CONTENTS

<i>List of figures</i>	ix
<i>List of tables</i>	xi
<i>Contributors</i>	xiii

## PART I

<b>The development of environmental anthropology</b>	<b>1</b>
1 An introduction to environmental anthropology <i>Helen Kopnina and Eleanor Shoreman-Quimet</i>	3
2 History and scope of environmental anthropology <i>Eduardo Bronfizio, Ryan T. Adams, and Stefano Fiorini</i>	10
3 Ethnobiology and the new environmental anthropology <i>E. N. Anderson</i>	31
4 Anthropology and the environment: beginnings <i>Alan R. Beals</i>	44
5 Ethnoscience implications of classification as a socio-cultural process <i>David G. Casagrande</i>	55

## PART II

<b>Investigations in sub-fields of environmental anthropology</b>	<b>69</b>
6 Enviromateriality: exploring the links between political ecology and material culture studies <i>José E. Martínez-Reyes</i>	71

7	Historical ecology: agency in human–environment interaction <i>Lauren Dodaro and Dustin Reuther</i>	81
8	Architectural anthropology: developing a methodological framework for Indigenous wellbeing <i>Angela Kreutz and Paul Memmott</i>	90
9	Beyond “nature”: towards more engaged and care–full ways of relating to the environment <i>Mark Coeckelbergh</i>	105
<b>PART III</b>		
	<b>Ecological knowledge, belief, and sustainability</b>	<b>117</b>
10	An anthropology of nature – or an industrialist anthropology? <i>David W. Kidner</i>	119
11	Spiritual ecology, sacred places, and biodiversity conservation <i>Leslie E. Sponsel</i>	132
12	The Bible, religion, and the environment <i>Ronald A. Simkins</i>	144
13	What’s ontology got to do with it? On the knowledge of nature and the nature of knowledge in environmental anthropology <i>Sian Sullivan</i>	155
14	Unsustainability in action: an ethnographic examination <i>Sayd Randle, Lauren Baker, C. Anne Claus, Chris Hebdon, Alder Keleman, and Michael R. Dove</i>	170
15	Anthropological approaches to energy <i>Peter Wynn Kirby</i>	182
<b>PART IV</b>		
	<b>Climate change, resilience, and vulnerability</b>	<b>191</b>
16	Disasters and their impact: a fundamental feature of environment <i>Susanna M. Hoffman</i>	193
17	Adaptation, vulnerability, and resilience: contested concepts in the anthropology of climate change <i>Anthony. Oliver-Smith</i>	206

18	Climate, environment, and society in northwest Greenland <i>Mark Nuttall</i>	219
19	Taking responsibility for climate change: on human adaptation, sustainable consumption, and environmental governance <i>Cindy Isenhour</i>	230
20	Climate change adaptation and development planning: from resilience to transformation? <i>Bob Pokrant</i>	242
<b>PART V</b>		
	<b>Justice, ethics, and governance</b>	<b>257</b>
21	Justice for all: inconvenient truths and reconciliation in human–non-human relations <i>Veronica Strang</i>	259
22	Environmental ethics and environmental anthropology <i>Holmes Rolston III</i>	276
23	Battle of the ecologies: deep versus political: an investigation into anthropocentrism in the social sciences <i>Bernard Daley Zaleha</i>	288
24	Good governance, corruption, and forest protection: critical insights from environmental anthropology <i>Pauline von Hellermann</i>	302
25	Cultural ecotourism as an indigenous modernity: Namibian Bushmen and two contradictions of capitalism <i>Stasja Koot</i>	315
<b>PART VI</b>		
	<b>Health, population, and environment</b>	<b>327</b>
26	Local and organic food movements <i>Ryan T. Adams</i>	329
27	Anthropocentrism and the making of environmental health <i>Merrill Singer</i>	344

28	Multi-species entanglements, anthropology, and environmental health justice <i>Melanie Rock</i>	356
29	Challenging the conventional wisdom: breast cancer and environmental health <i>Mary K. Anglin</i>	370
30	Excessive human numbers in a world of finite limits: confronting the threshold of collapse <i>J. Kenneth Smail</i>	384
<b>PART VII</b>		
	<b>Environment and education</b>	<b>399</b>
31	Children's language about the environment <i>Bryan Wee and Hillary Mason</i>	401
32	"You have to <i>do it</i> ": creating agency for environmental sustainability through experiential education, transformative learning, and kincentricity <i>Brenda R. Beckwith, Tania Halber, and Nancy J. Turner</i>	412
33	Cognition and cultural modeling <i>Kimberly Kirner</i>	428
34	Perceiving nature's personhood: anthropological enhancements to environmental education <i>Rob Efrid</i>	441
35	Schooling the world: land-based pedagogies and the culture of schooling <i>Carol Black</i>	452
	<i>Index</i>	467